

PERSONAL INFORMATION



Gerardo Catapano

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Sex Male | Date of birth 04/06/1957 | Nationality Italian

PREFERRED JOB

Basic and applied Research and Education in the field of biochemical reaction engineering, transport phenomena and biomaterials for/in artificial, bioartificial and tissue engineered tissue and organs, and for pharmaceutical applications

WORK EXPERIENCE

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- 2006-Now **Full Professor of Industrial Bioengineering**
Department of Environmental, Territory and Chemical Engineering, University of Calabria, Rende (CS)
- 2008-2013 **Editor-in-Chief of the International Journal of Artificial Organs**
Official Journal of the European Society for Artificial Organs (ESAO)
- 1992-2006 **Associate Professor of Principles of Chemical Engineering**
Department of Chemical Engineering and Materials, University of Calabria, Rende (CS)
- 1998-1999 **Visiting Professor**
University of Applied Science Giessen-Friedberg, Giessen (Germany), sponsored by an academics exchange program of the Deutscher Akademischer Austauschdienst (DAAD)
- 1989-1990 **External Research Consultant**
Institute for Medical Membrane Applications (IMMA), Akzo Nobel Faser AG (today Membrana GmbH), Wuppertal (Germany)
- 1987-1989 **Research Associate**
Kidney Disease Program, Department of Nephrology, University of Louisville, Louisville (KY), USA.

Business field:

- Basic and applied research on artificial, bioartificial and tissue engineered organs, education in biochemical engineering

EDUCATION AND TRAINING

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- 1987 **Ph.D. in Chemical Engineering**
Thesis on the development of a bioartificial pancreas
University of Napoli, Napoli – Italy
- 1981 **Laurea Degree in Chemical Engineering**
Thesis on the kinetic characterization of allosteric enzymes immobilized in protein gels
University of Napoli, Napoli - Italy

ADDITIONAL INFORMATION

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- Publications** More than 100 publications in international journals. Co-author of the text book "Cell and tissue reaction engineering".
- Presentations** More than 150 presentations at national and international conferences
- Projects** Principal Investigator of national and international research projects
- Conferences** Invited speaker at many national and international conferences and Universities.
- Seminars** Organizer of national and international congresses, and of seminars and workshop in the field of biomedical engineering.
Invited speaker at national and international courses from undergraduate to graduate level.
- Memberships** Italian Society for Biomaterials (vice-President), European Society for Artificial Organs , European Society for Engineering and Medicine (member of Directive Council)
- Editorial Boards** Member of the editorial board of: Technology and Healthcare; the Journal of Membrane Science (2004-2008).
- Research Interests** Development and optimization of bioreactors for therapeutic and technological applications; development and characterization of synthetic membranes and biomaterials; development and optimization of artificial, bioartificial and tissue engineered tissues and organs; development of in vitro tests alternative to animal tests for toxicity screening of drugs and chemicals and for the characterization of cell-biomaterial interactions.